

AS ISO/ASTM 52903.1:2021
ISO/ASTM 52903-1:2020



Additive manufacturing — Material extrusion-based additive manufacturing of plastic materials

Part 1: Feedstock materials



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This Australian Standard ® was prepared by MB-028, Additive Manufacturing. It was approved on behalf of the Council of Standards Australia on 24 September 2021.

This Standard was published on 8 October 2021.

The following are represented on Committee MB-028:

Australian Automotive Aftermarket Association
Australian Manufacturing Technology Institute
Austroads
Charles Darwin University
Engineers Australia
Materials Australia
NSW Government
RMIT University
University of Wollongong
Weld Australia

This Standard was issued in draft form for comment as DR AS ISO/ASTM 52903.1:2021.

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ISBN 978 1 76113 522 4

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First published as AS ISO/ASTM 52903.1.

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Preface

This Standard was prepared by the Standards Australia Committee MB-028, Additive Manufacturing.

The objective of this document is to describe a method for defining requirements for plastic materials used in extrusion-based additive manufacturing (AM) processes. Materials include unfilled, filled, and reinforced plastic materials suitable for processing into parts. These materials can also contain special additives (e.g. flame retardants, stabilizers, etc.). Processes include all material extrusion-based AM processes.

This document is intended for use by manufacturers of materials, feedstocks, plastic parts, or any combination of the three using material extrusion-based AM.

NOTE In some cases, material manufacturers can also be feedstock manufacturers. In other cases, a material manufacturer can supply materials (example: pellets) to a feedstock manufacturer (example: converter of pellets into filaments).

This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health, and environmental practices and determine the applicability of regulatory limitations prior to use.

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